

Source: Tables 5-12  
US EPA's Hot Mix Asphalt Plants Emission Assessment Report

Volatile Organic HAPs	Current NR 445			Proposed NR 445			Comments
	Acute	Chronic	Carcinogen	Acute	Chronic	Carcinogen	
2-Butanone (Methyl ethyl ketone) (MEK)		z			z		watchlist only
Acetaldehyde	x	z		x	z	x	watchlist
Benzene			x			x	
Bromomethane (Methyl bromide)	x	x		x	x		
Carbon disulfide	x			x	x		
Chloroethane (Ethyl chloride)		x		x	x		
Chloromethane (Methyl chloride)	x			x			
Cumene (Isopropyl benzene)	x			x	z		watchlist
Ethyl benzene	x	x		x	x		
Formaldehyde			x			x	
n-Hexane	x	x		x	x		
Methyl tert-butyl ether (MTBE)		x		x	x		
Methylene chloride (Dichloromethane)	x			x	x		
Phenol	x			x			
Quinone	x			x			
Styrene, monomer	x	x		x	x		
Tetrachloroethylene (Perchloroethylene)	x			x		x	
Toluene (Toluol)	x	x		x	x		
Trichloroethylene (Trichloroethene)	x			x	x		
Xylene (mixtures and isomers); (Xylool or Dimethyl Benzene)	x			x			
1,1,1-Trichloroethane	NL	NL	NL	NL	NL	NL	
Isooctane	NL	NL	NL	NL	NL	NL	
Methy chloroform	NL	NL	NL	NL	NL	NL	
o-Xylene	NL	NL	NL	NL	NL	NL	
Tetrachloroethane	NL	NL	NL	NL	NL	NL	
Trichlorofluoromethane	NL	NL	NL	NL	NL	NL	

PAH HAPs							
Benz(a)anthracene			x			x	
Benzo(a)pyrene			x			x	
Benzo(b)fluoranthene			x			x	
Benzo(k)fluoranthene						x	
Dibenz(a,h)anthracene			x			x	
Indeno(1,2,3-cd)pyrene			x			x	
Naphthalene	x	z		x	z		watchlist
2-methylnaphthalene	NL	NL	NL	NL	NL	NL	
Acenaphthene	NL	NL	NL	NL	NL	NL	
Acenaphthylene	NL	NL	NL	NL	NL	NL	
Anthracene	NL	NL	NL	NL	NL	NL	
Benzo(e)pyrene	NL	NL	NL	NL	NL	NL	
Benzo(g,h,I)perylene	NL	NL	NL	NL	NL	NL	
Chrysene	NL	NL	NL	NL	NL	NL	
Fluoranthene	NL	NL	NL	NL	NL	NL	
Fluorene	NL	NL	NL	NL	NL	NL	
Perylene	NL	NL	NL	NL	NL	NL	
Phenanthrene	NL	NL	NL	NL	NL	NL	
Pyrene	NL	NL	NL	NL	NL	NL	

Metal HAPs							
Antimony	x			x			
Arsenic			x			x	
Beryllium			x		x	x	
Cadmium			x			x	
Chromium	x	x		x	x	x	
Lead	NL	NL	NL	NL	NL	NL	
Manganese	x	z		x	z		watchlist
Mercury	x	x		x	x		
Nickel			x			x	
Selenium	x			x			

z in the "chronic" column indicates a watchlist pollutant

NL = not listed or proposed to be listed in NR445